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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	43	Feb 13	CANCERLIT is no longer being updated
NEWS	44	Feb 24	METADEx enhancements
NEWS	45	Feb 24	PCTGEN now available on STN
NEWS	46	Feb 24	TEMA now available on STN
NEWS	47	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	48	Feb 26	PCTFULL now contains images
NEWS	49	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
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 NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
 NEWS WWW CAS World Wide Web Site (general information)

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=> s carbohydrate  
35 FILES SEARCHED...  
L1 687202 CARBOHYDRATE

=> s l1 and (oxid? or reduc? or aminat?)  
7 FILES SEARCHED...

```
17 FILES SEARCHED...
28 FILES SEARCHED...
37 FILES SEARCHED...
L2      132512 L1 AND (OXID? OR REDUC? OR AMINAT?)
```

```
=> s l2 and aqueous
39 FILES SEARCHED...
L3      4167 L2 AND AQUEOUS
```

```
=> s l3 and catalys?
29 FILES SEARCHED...
L4      420 L3 AND CATALYS?
```

```
=> s l4 and nano
37 FILES SEARCHED...
L5      1 L4 AND NANO
```

```
=> dis l5 bib abs
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=> s l4 and nano
17 FILES SEARCHED...
31 FILES SEARCHED...
45 FILES SEARCHED...
L6      30 L4 AND NANO?
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```
=> s l6 and (polymer or polymer-stabilized)
17 FILES SEARCHED...
33 FILES SEARCHED...
L7      23 L6 AND (POLYMER OR POLYMER-STABILIZED)
```

```
=> dis l7 1-23 bib abs
```

L7 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2003 ACS

AN 2000:666737 CAPLUS

DN 133:254142

TI Catalytic method for modifying **carbohydrates**, alcohols,  
aldehydes or polyhydroxy compounds

IN Capan, Emine; Hahnlein, Marc Sascha; Prusse, Ulf; Vorlop, Klaus-Dieter;  
Haji Begli, Alireza

PA Sudzucker Aktiengesellschaft, Germany

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000055165	A1	20000921	WO 2000-EP2351	20000316
	W: AU, CA, IL, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19911504	A1	20001019	DE 1999-19911504	19990316
	EP 1165580	A1	20020102	EP 2000-925117	20000316
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AU 747812	B2	20020523	AU 2000-43953	20000316
PRAI	DE 1999-19911504	A	19990316		
	WO 2000-EP2351	W	20000316		

AB Industrial conversion of the title compds. in aq. phase is  
carried out in the presence of metal **catalysts** consisting of  
**polymer-stabilized nanoparticles**. A  
**catalyst** of this type is not deactivated by the conversion  
reaction as long as the stabilizing interaction between the  
**polymer** and the **nanoparticles** is maintained. For  
example, activity of an Al<sub>2</sub>O<sub>3</sub>-supported, poly(vinylpyrrolidone)-stabilized  
Pt colloid **catalyst** (prepn. given) in **oxidn.** of  
sorbitol with O remained unchanged after 10 repeated expts. whereas the  
activity of a customary Al<sub>2</sub>O<sub>3</sub>-supported Pt **catalyst** decreased to  
.apprx.35% after 10 runs.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2003 ACS

AN 1983:432511 CAPLUS

DN 99:32511

TI Analyzing total trace nitrogen

IN Itoh, Tadamasa

PA Sumitomo Chemical Co., Ltd. , Japan

SO Eur. Pat. Appl., 40 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 75467	A1	19830330	EP 1982-304922	19820917
	R: BE, DE, GB, IT, NL				
	JP 58048853	A2	19830322	JP 1981-148366	19810918
	JP 03077458	B4	19911210		
PRAI	JP 1981-148366		19810918		

AB A method for detg. total trace N in liq. or solid samples, comprises  
passing O or air as a carrier gas through a reaction tube packed with an  
**oxidn. catalyst** or **oxidizing agent** heated at a  
temp. in the range 550.degree. - 1,000.degree., introducing the sample  
contg. N into the reaction tube to convert the compd. into NO and NO<sub>2</sub>,

oxidizing the NO into NO<sub>2</sub> with an aq. acidic K<sub>2</sub>MnO<sub>4</sub> soln., and detg. the resultant total NO<sub>2</sub> by spectrophotometry according to the Saltzman method. The method was illustrated by several examples including the detn. of N in urea, NaNO<sub>3</sub>, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, and glycine solns.

L7 ANSWER 3 OF 23 CEN COPYRIGHT 2003 ACS

AN 2000:1274 CEN  
TI EYES ON IONIC LIQUIDS  
NATO workshop examines the industrial potential of green chemistry using room-temperature 'designer solvents'  
SO Chemical & Engineering News, (15 May 2000) Vol. 78, No. 20, pp. 37.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 5172

L7 ANSWER 4 OF 23 CEN COPYRIGHT 2003 ACS

AN 2000:591 CEN  
TI Exposition  
SO Chemical & Engineering News, (28 Feb 2000) Vol. 78, No. 9, pp. 175.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 24185

L7 ANSWER 5 OF 23 CEN COPYRIGHT 2003 ACS

AN 1998:3058 CEN  
TI MIMICKING NATURAL PHOTOSYNTHESIS  
Systems that imitate aspects of natural photosynthetic energy conversion offer a number of potential payoffs  
AU Freemantle, Michael  
SO Chemical & Engineering News, (26 Oct 1998) Vol. 76, No. 43, pp. 37.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 6099

L7 ANSWER 6 OF 23 CEN COPYRIGHT 2003 ACS

AN 1998:2066 CEN  
TI Exposition  
SO Chemical & Engineering News, (27 Jul 1998) Vol. 76, No. 30, pp. 165.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 17692

L7 ANSWER 7 OF 23 CEN COPYRIGHT 2003 ACS

AN 1998:66 CEN  
TI Chemistry Crystallizes Into Modern Science  
The past 75 years have marked profound changes in the content, scope, and direction of the field  
AU Borman, Stu; Dagani, Ron; Rawl, Rebecca L.; Zurer, Pamela S.  
CS and  
SO Chemical & Engineering News, (12 Jan 1998) Vol. 76, No. 2, pp. 39.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 16088

L7 ANSWER 8 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:1899 CEN  
SO Chemical & Engineering News, (4 Aug 1997) Vol. 75, No. 31, pp. 123.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 15747

L7 ANSWER 9 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:649 CEN  
TI Exposition  
SO Chemical & Engineering News, (10 Mar 1997) Vol. 75, No. 10, pp. 167.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 17951

L7 ANSWER 10 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:525 CEN  
TI ACS-PRF Grants for Fundamental Research in the Petroleum Field (Type G)  
Awarded to faculty in Ph.D.-granting departments  
SO Chemical & Engineering News, (24 Feb 1997) Vol. 75, No. 8, pp. 75.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 518

L7 ANSWER 11 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:515 CEN  
TI COMBINATORIAL CHEMISTRY  
Researchers continue to refine techniques for identifying potential drugs  
in` libraries' of small organic molecules  
AU Borman, Stu  
SO Chemical & Engineering News, (24 Feb 1997) Vol. 75, No. 8, pp. 43.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 4803

L7 ANSWER 12 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:317 CEN  
TI Meeting information on the web  
SO Chemical & Engineering News, (3 Feb 1997) Vol. 75, No. 5, pp. 70.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 8143

L7 ANSWER 13 OF 23 CEN COPYRIGHT 2003 ACS

AN 96:1791 CEN  
SO Chemical & Engineering News, (22 Jul 1996) Vol. 74, No. 30, pp. 133.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 16895

L7 ANSWER 14 OF 23 CEN COPYRIGHT 2003 ACS



AN 96:1680 CEN  
TI ACS-PRF Grants for Fundamental Research in the Petroleum Field (Type G)  
Awarded to faculty in Ph.D.-granting departments  
SO Chemical & Engineering News, (8 Jul 1996) Vol. 74, No. 28, pp. 45.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 1184

L7 ANSWER 15 OF 23 CEN COPYRIGHT 2003 ACS

AN 96:466 CEN  
TI Exposition  
SO Chemical & Engineering News, (19 Feb 1996) Vol. 74, No. 8, pp. 131.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 14306

L7 ANSWER 16 OF 23 CEN COPYRIGHT 2003 ACS

AN 96:381 CEN  
TI Combinatorial chemists focus on small molecules, molecular recognition,  
and automation  
AU Borman, Stu  
CS C&EN Washington  
SO Chemical & Engineering News, (12 Feb 1996) Vol. 74, No. 7, pp. 29.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 5669

L7 ANSWER 17 OF 23 CEN COPYRIGHT 2003 ACS

AN 95:1697 CEN  
SO Chemical & Engineering News, (17 Jul 1995) Vol. 73, No. 29, pp. 69.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 18114

L7 ANSWER 18 OF 23 CEN COPYRIGHT 2003 ACS

AN 95:1463 CEN  
TI 210th ACS NATIONAL MEETING  
SO Chemical & Engineering News, (19 Jun 1995) Vol. 73, No. 25, pp. 44.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 5610

L7 ANSWER 19 OF 23 CEN COPYRIGHT 2003 ACS

AN 95:548 CEN  
TI Special event  
SO Chemical & Engineering News, (6 Mar 1995) Vol. 73, No. 10, pp. 42.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 13505

L7 ANSWER 20 OF 23 CEN COPYRIGHT 2003 ACS

AN 94:4300 CEN  
TI Biomolecular Materials  
AU Tirrell, Jane G.; Fournier, Maurille J.; Mason, Thomas L.; Tirrell, David A.  
CS and; University of Massachusetts, Amherst  
SO Chemical & Engineering News, (19 Dec 1994) Vol. 72, No. 51, pp. 40.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 6877

L7 ANSWER 21 OF 23 CEN COPYRIGHT 2003 ACS

AN 94:3360 CEN  
TI Environmentally Benign Chemistry Aims For Processes That Don't Pollute  
Syntheses that minimize wastes are environmentally friendly and may provide quality improvements, cost and energy savings  
AU Illman, Deborah L.  
CS C&EN West Coast News Bureau  
SO Chemical & Engineering News, (5 Sep 1994) Vol. 72, No. 36, pp. 22.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 2899

L7 ANSWER 22 OF 23 CEN COPYRIGHT 2003 ACS

AN 94:1399 CEN  
TI Technical Program Summary  
SO Chemical & Engineering News, (10 Jan 1994) Vol. 72, No. 2, pp. 28.  
CODEN: CENEAR, ISSN: 0009-2347.  
PB American Chemical Society  
LA English  
WC 4032

L7 ANSWER 23 OF 23 PROMT COPYRIGHT 2003 Gale Group

AN 2003:2430 PROMT  
TI Patents.  
SO Manufacturing Chemist, (Nov 2002) Vol. 73, No. 11, pp. 53(3).  
ISSN: ISSN: 0262-4230.  
PB Polygon Media Ltd.  
DT Newsletter  
LA English  
WC 3280

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L1 687202 S CARBOHYDRATE

L2 132512 S L1 AND (OXID? OR REDUC? OR AMINAT?)

L3 4167 S L2 AND AQUEOUS  
 L4 420 S L3 AND CATALYS?  
 L5 1 S L4 AND NANO  
 L6 30 S L4 AND NANO?  
 L7 23 S L6 AND (POLYMER OR POLYMER-STABILIZED)

=> file polymers  
 COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
127.12	127.33

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
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=> s l7  
13 FILES SEARCHED...  
18 FILES SEARCHED...  
L8 1212 L7

=> s l4  
17 FILES SEARCHED...  
L9 9703 L4

=> s l9 and nano?  
L10 1551 L9 AND NANO?

=> s 10 and (POLYMER OR POLYMER-STABILIZED)  
14 FILES SEARCHED...  
18 FILES SEARCHED...  
L11 1095943 10 AND (POLYMER OR POLYMER-STABILIZED)

=> s l10 and (polymer(w)stabiliz)  
L12 2 L10 AND (POLYMER(W) STABILIZ)

=> dis l12 1-2 bib abs

L12 ANSWER 1 OF 2 USPATFULL  
AN 2002:136533 USPATFULL  
TI Method for delivering bioactive agents using cochleates  
IN Unger, Evan C., Tucson, AZ, United States  
PA Imarx Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)  
PI US 6403056 B1 20020611  
AI US 2000-540448 20000331 (9)  
RLI Division of Ser. No. US 1997-925353, filed on 8 Sep 1997, now patented,  
Pat. No. US 6120751 Continuation-in-part of Ser. No. US 1997-823791,  
filed on 21 Mar 1997, now patented, Pat. No. US 6143276  
Continuation-in-part of Ser. No. US 1997-851780, filed on 6 May 1997,  
now patented, Pat. No. US 6090800 Continuation-in-part of Ser. No. US  
1997-877826, filed on 18 Jun 1997 Continuation-in-part of Ser. No. US  
1997-887215, filed on 2 Jul 1997, now patented, Pat. No. US 6028066  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Hartley, Michael G.  
LREP Woodcock Washburn LLP  
CLMN Number of Claims: 63  
ECL Exemplary Claim: 1  
DRWN 8 Drawing Figure(s); 4 Drawing Page(s)  
LN.CNT 6445  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to charged lipids, compositions

comprising charged lipids, and the use of these compositions in drug delivery, targeted drug delivery, therapeutic imaging and diagnostic imaging, as well as their use as contrast agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 2 OF 2 USPATFULL  
AN 2000:124531 USPATFULL  
TI Charged lipids and uses for the same  
IN Unger, Evan C., Tucson, AZ, United States  
PA ImaRx Pharmaceutical Corp., Tucson, AZ, United States (U.S. corporation)  
PI US 6120751 20000919  
AI US 1997-925353 19970908 (8)  
RLI Continuation-in-part of Ser. No. US 1997-823791, filed on 21 Mar 1997  
And a continuation-in-part of Ser. No. US 1997-851780, filed on 6 May  
1997 And a continuation-in-part of Ser. No. US 1997-877826, filed on 18  
Jun 1997 And a continuation-in-part of Ser. No. US 1997-887215, filed on  
2 Jul 1997  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Hartley, Michael  
G.  
LREP Woodcock Washburn Kurtz Mackiewicz & Norris LLP  
CLMN Number of Claims: 20  
ECL Exemplary Claim: 1  
DRWN 4 Drawing Figure(s); 4 Drawing Page(s)  
LN.CNT 6059

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to charged lipids, compositions  
comprising charged lipids, and the use of these compositions in drug  
delivery, targeted drug delivery, therapeutic imaging and diagnostic  
imaging, as well as their use as contrast agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s l10 and (polymer or polymer(w)stabilil?)

16 FILES SEARCHED...

L13 1212 L10 AND (POLYMER OR POLYMER(W) STABILIL?)

=> s l13 and (platinum or palladium or rhodium or ruthenium)

L14 398 L13 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)

=> s l10 and (polymer or polymer(w)stabil?)

14 FILES SEARCHED...

L15 1212 L10 AND (POLYMER OR POLYMER(W) STABIL?)

=> s l15 and (platinum or palladium or rhodium or ruthenium)

L16 398 L15 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)

=> s l16 and support

L17 301 L16 AND SUPPORT

=> s l17 and alloy

L18 80 L17 AND ALLOY

=> s l18 and promoter

L19 21 L18 AND PROMOTER

=> dis l19 1-21 bib abs

L19 ANSWER 1 OF 21 USPATFULL

AN 2002:290788 USPATFULL

TI Arrays of proteins and methods of use thereof

IN Wagner, Peter, Belmont, CA, United States  
Ault-Riche, Dana, Palo Alto, CA, United States  
Nock, Steffen, Redwood City, CA, United States  
Itin, Christian, Menlo Park, CA, United States  
PA Zyomyx, Incorporated, Hayward, CA, United States (U.S. corporation)  
PI US 6475808 B1 20021105  
AI US 1999-353215 19990714 (9)  
RLI Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Chin, Christopher L.  
LREP Hager, Alicia J., Heinkel, Gregory L.  
CLMN Number of Claims: 3  
ECL Exemplary Claim: 1  
DRWN 9 Drawing Figure(s); 8 Drawing Page(s)  
LN.CNT 2339

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfilms on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 2 OF 21 USPATFULL  
AN 2002:235434 USPATFULL  
TI Biosensors, reagents and diagnostic applications of directed evolution  
IN Minshull, Jeremy, Menlo Park, CA, UNITED STATES  
Davis, S. Christopher, San Francisco, CA, UNITED STATES  
Welch, Mark, Fremont, CA, UNITED STATES  
Raillard, Sun Ai, Mountain View, CA, UNITED STATES  
Vogel, Kurt, Palo Alto, CA, UNITED STATES  
Kreber, Claus, Mountain View, CA, UNITED STATES  
PA Maxygen, Inc., Redwood City, CA (U.S. corporation)  
PI US 2002127623 A1 20020912  
AI US 2001-920607 A1 20010731 (9)  
PRAI US 2000-222056P 20000731 (60)  
US 2000-244764P 20001031 (60)  
DT Utility  
FS APPLICATION  
LREP LAW OFFICES OF JONATHAN ALAN QUINE, P O BOX 458, ALAMEDA, CA, 94501  
CLMN Number of Claims: 130  
ECL Exemplary Claim: 1  
DRWN 7 Drawing Page(s)  
LN.CNT 6877

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for sensing test stimuli using arrays of biopolymers are provided. Libraries of biopolymers, such nucleic acid variants, and expression products encoded by nucleic acid variants are provided. Reusable library arrays, and methods for their use are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 3 OF 21 USPATFULL  
AN 2002:206239 USPATFULL  
TI Arrays of proteins and methods of use thereof  
IN Wagner, Peter, Belmont, CA, UNITED STATES  
Ault-Riche, Dana, Palo Alto, CA, UNITED STATES  
Nock, Steffen, Redwood City, CA, UNITED STATES  
Itin, Christian, Menlo Park, CA, UNITED STATES  
PI US 2002110933 A1 20020815

AI US 2002-113964 A1 20020329 (10)  
RLI Continuation of Ser. No. US 1999-353215, filed on 14 Jul 1999, ABANDONED  
Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998,  
GRANTED, Pat. No. US 6406921  
DT Utility  
FS APPLICATION  
LREP Zyomyx, 26101 Research Road, Hayward, CA, 94545  
CLMN Number of Claims: 39  
ECL Exemplary Claim: 1  
DRWN 8 Drawing Page(s)  
LN.CNT 2275

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfilms on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 4 OF 21 USPATFULL  
AN 2002:206238 USPATFULL  
TI Microdevices for screening biomolecules  
IN Wagner, Peter, Belmont, CA, UNITED STATES  
Ault-Riche, Dana, Palo Alto, CA, UNITED STATES  
Nock, Steffen, Redwood City, CA, UNITED STATES  
Itin, Christian, Menlo Park, CA, UNITED STATES  
PI US 2002110932 A1 20020815  
AI US 2002-112982 A1 20020329 (10)  
RLI Continuation of Ser. No. US 1999-353554, filed on 14 Jul 1999, PENDING  
Continuation-in-part of Ser. No. US 1998-115397, filed on 14 Jul 1998,  
PENDING  
DT Utility  
FS APPLICATION  
LREP Zyomyx, 26101 Research Road, Hayward, CA, 94545  
CLMN Number of Claims: 45  
ECL Exemplary Claim: 1  
DRWN 8 Drawing Page(s)  
LN.CNT 2363

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and devices for the parallel, in vitro screening of biomolecular activity using miniaturized microfabricated devices are provided. The biomolecules immobilized on the surface of the devices of the present invention include proteins, polypeptides, polynucleotides, polysaccharides, phospholipids, and related unnatural polymers of biological relevance. These devices are useful drug development, functional proteomics and clinical diagnostics and are preferably used for the parallel screening of families of related proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 5 OF 21 USPATFULL  
AN 2002:85119 USPATFULL  
TI Ion channel assay methods  
IN Maher, Michael P., San Diego, CA, UNITED STATES  
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES  
PI US 2002045159 A1 20020418  
AI US 2001-804457 A1 20010312 (9)  
PRAI US 2000-217671P 20000710 (60)  
DT Utility  
FS APPLICATION  
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH

FLOOR, NEWPORT BEACH, CA, 92660

CLMN Number of Claims: 48

ECL Exemplary Claim: 1

DRWN 35 Drawing Page(s)

LN.CNT 4811

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 6 OF 21 USPATFULL

AN 2002:60923 USPATFULL

TI Single-molecule selection methods and compositions therefrom

IN Cubicciotti, Roger S., Montclair, NJ, UNITED STATES

PI US 2002034757 A1 20020321

AI US 2001-907385 A1 20010717 (9)

RLI Continuation of Ser. No. US 1998-81930, filed on 20 May 1998, GRANTED, Pat. No. US 6287765

DT Utility

FS APPLICATION

LREP LICATA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053

CLMN Number of Claims: 129

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 15716

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Single-molecule selection methods are provided for identifying target-binding molecules from diverse sequence and shape libraries. Complexes and imprints of selected target-binding molecules are also provided. The subject selection methods are used to identify oligonucleotide and nonnucleotide molecules with desirable properties for use in pharmaceuticals, drug discovery, drug delivery, diagnostics, medical devices, cosmetics, agriculture, environmental remediation, smart materials, packaging, microelectronics and **nanofabrication**. Single oligonucleotide molecules with desirable binding properties are selected from diverse sequence libraries and identified by amplification and sequencing. Alternatively, selected oligonucleotide molecules are identified by sequencing without amplification. Nonnucleotide molecules with desirable properties are identified by single-molecule selection from libraries of conjugated molecules or nucleotide-encoded nonnucleotide molecules. Alternatively, target-specific nonnucleotide molecules are prepared by imprinting selected oligonucleotide molecules into nonnucleotide molecular media. Complexes and imprints of molecules identified by single-molecule selection are shown to have broad utility as drugs, prodrugs, drug delivery systems, willfully reversible cosmetics, diagnostic reagents, sensors, transducers, actuators, adhesives, adherents and novel multimolecular devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 7 OF 21 USPATFULL

AN 2002:48289 USPATFULL

TI High throughput method and system for screening candidate compounds for activity against target ion channels

IN Maher, Michael P., San Diego, CA, UNITED STATES

Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES

PI US 2002028480 A1 20020307

AI US 2001-804580 A1 20010312 (9)

PRAI US 2000-217671P 20000710 (60)

DT Utility



FS APPLICATION  
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH  
FLOOR, NEWPORT BEACH, CA, 92660  
CLMN Number of Claims: 50  
ECL Exemplary Claim: 1  
DRWN 35 Drawing Page(s)  
LN.CNT 4846  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Drug candidate screening methods are applied to discover compounds with  
activity against ion channel targets. The method may include modulating  
the transmembrane potential of host cells in a plurality of sample wells  
with a repetitive application of electric fields so as to set the  
transmembrane potential to a level corresponding to a pre-selected  
voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 8 OF 21 USPATFULL  
AN 2002:43207 USPATFULL  
TI Multi-well plate and electrode assemblies for ion channel assays  
IN Maher, Michael P., San Diego, CA, UNITED STATES  
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES  
PI US 2002025573 A1 20020228  
AI US 2001-804458 A1 20010312 (9)  
PRAI US 2000-217671P 20000710 (60)  
DT Utility  
FS APPLICATION  
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH  
FLOOR, NEWPORT BEACH, CA, 92660  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN 35 Drawing Page(s)  
LN.CNT 4720  
AB Plate and electrode assemblies include configurations allowing for  
relatively uniform electric field production. The electrodes may  
comprise strips of conductive material plated onto the bottom surface of  
sample wells or they may comprise plate electrodes extending down into  
the well. In some embodiments, the electric field strength varies by  
less than about 10% from a mean field intensity over at least about 20%  
of the surface area of the bottom surface of a sample well.

L19 ANSWER 9 OF 21 USPATFULL  
AN 2002:43202 USPATFULL  
TI Ion channel assay methods  
IN Maher, Michael P., San Diego, CA, UNITED STATES  
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES  
PI US 2002025568 A1 20020228  
AI US 2001-804480 A1 20010312 (9)  
PRAI US 2000-217671P 20000710 (60)  
DT Utility  
FS APPLICATION  
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH  
FLOOR, NEWPORT BEACH, CA, 92660  
CLMN Number of Claims: 8  
ECL Exemplary Claim: 1  
DRWN 35 Drawing Page(s)  
LN.CNT 4691  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB A method of characterizing the biological activity of a candidate  
compound may include exposing cells to the candidate compound, and then  
exposing the cells to a repetitive application of electric fields so as  
to set the transmembrane potential to a level corresponding to a  
pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 10 OF 21 USPATFULL  
AN 2001:235126 USPATFULL  
TI Hydrogel compositions for controlled delivery of virus vectors and methods of use thereof  
IN Levy, Robert J., Merion Station, PA, United States  
Crombleholme, Timothy, Haverford, PA, United States  
Vyavahare, Narendra, Erial, NJ, United States  
PA The Children's Hospital of Philadelphia, Philadelphia, PA, United States (U.S. corporation)  
PI US 6333194 B1 20011225  
AI US 2000-487854 20000119 (9)  
PRAI US 1999-116538P 19990119 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Wang, Andrew; Assistant Examiner: Zara, Jane  
LREP Foley & Lardner  
CLMN Number of Claims: 34  
ECL Exemplary Claim: 1  
DRWN 9 Drawing Figure(s); 3 Drawing Page(s)  
LN.CNT 3154

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to compositions and methods for delivering a virus vector to an animal. The compositions include compositions which comprise a hydrogel matrix (e.g. a collagen matrix which can comprise a poloxamer or an alginate) containing a virus vector therein in a transfectious form. The invention also includes methods of making such hydrogel precursor mixtures and hydrogel matrices, including particles, devices, bulk materials, and other objects which comprise, consist of, or are coated with such mixtures or matrices. The invention further relates to compositions comprising a hydrogel precursor mixture having a virus vector suspended therein, which, when administered to an animal, gel to form a hydrogel matrix containing a virus vector therein in a transfectious form. Methods of delivering a virus vector to an animal tissue are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 11 OF 21 USPATFULL  
AN 2001:185024 USPATFULL  
TI Electronic-property probing of biological molecules at surfaces  
IN Bamdad, Cynthia C., San Marino, CA, United States  
PA President and Fellows of Harvard College, Cambridge, MA, United States (U.S. corporation)  
PI US 6306584 B1 20011023  
AI US 1997-843623 19970410 (8)  
RLI Continuation-in-part of Ser. No. US 1997-804883, filed on 24 Feb 1997, now abandoned Continuation-in-part of Ser. No. US 1997-786153, filed on 21 Jan 1997, now abandoned  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Houtteman, Scott W.  
LREP Trecartin, Richard R., Silva, Robin M.Flehr Hohbach Test Albritton & Herbert LLP  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN 18 Drawing Figure(s); 17 Drawing Page(s)  
LN.CNT 2680

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A technique for immobilizing biological molecules, in particular nucleic acid strands, is described. Biological molecules immobilized at surfaces can be used in electron-transfer detection techniques in which a binding

partner of a biological molecule is brought into proximity of the surface-immobilized biological molecule, an electrical potential created between the two biologically-binding species, and electron transfer through the species determined. Another technique involves immobilizing a biological molecule such as a protein, DNA, etc. at a surface via a self-assembled monolayer, affecting the biological molecule via, for example, biological binding, inducing a change in conformation via a prion, etc., and detecting an electronic property change in the molecule via a change in impedance associated with an electronic circuit addressed by the biological molecule. These techniques facilitate combinatorial array detection articles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 12 OF 21 USPATFULL  
AN 2001:155603 USPATFULL  
TI Multi-array, multi-specific electrochemiluminescence testing  
IN Wohlstadter, Jacob N., Rockville, MD, United States  
Wilbur, James, Rockville, MD, United States  
Sigal, George, Gaithersburg, MD, United States  
Martin, Mark, Rockville, MD, United States  
Guo, Liang-Hong, Laurel, MD, United States  
Fischer, Alan, Cambridge, MA, United States  
Leland, Jon, Silver Spring, MD, United States  
Billadeau, Mark A., Mt. Airy, MD, United States  
PA Meso Scale Technologies, LLC (U.S. corporation)  
PI US 2001021534 A1 20010913  
AI US 2001-771796 A1 20010129 (9)  
RLI Continuation of Ser. No. US 1996-715163, filed on 17 Sep 1996, GRANTED,  
Pat. No. US 6207369 Continuation-in-part of Ser. No. US 1996-611804,  
filed on 6 Mar 1996, GRANTED, Pat. No. US 6066448 Continuation-in-part  
of Ser. No. US 1995-402076, filed on 10 Mar 1995, ABANDONED  
Continuation-in-part of Ser. No. US 1995-402277, filed on 10 Mar 1995,  
ABANDONED  
DT Utility  
FS APPLICATION  
LREP Kramer Levin Naftalis & Frankel LLP, 919 THIRD AVENUE, NEW YORK, NY,  
10022  
CLMN Number of Claims: 74  
ECL Exemplary Claim: 1  
DRWN 39 Drawing Page(s)  
LN.CNT 6383

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array,  
multi-specific surfaces for use in diagnostics. The invention provides  
for electrochemiluminescence methods for detecting or measuring an  
analyte of interest. It also provides for novel electrodes for ECL  
assays. Materials and methods are provided for the chemical and/or  
physical control of conducting domains and reagent deposition for use  
multiply specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 13 OF 21 USPATFULL  
AN 2001:152673 USPATFULL  
TI Methods for detecting and identifying single molecules  
IN Cubicciotti, Roger S., Montclair, NJ, United States  
PA Molecular Machines, Inc., Montclair, NJ, United States (U.S.  
corporation)  
PI US 6287765 B1 20010911  
AI US 1998-81930 19980520 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Fredman, Jeffrey

LREP Licata & Tyrrell P.C.  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 15456

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multimolecular devices and drug delivery systems prepared from synthetic heteropolymers, heteropolymeric discrete structures, multivalent heteropolymeric hybrid structures, aptameric multimolecular devices, multivalent imprints, tethered specific recognition devices, paired specific recognition devices, nonaptameric multimolecular devices and immobilized multimolecular structures are provided, including molecular adsorbents and multimolecular adherents, adhesives, transducers, switches, sensors and delivery systems. Methods for selecting single synthetic nucleotides, shape-specific probes and specifically attractive surfaces for use in these multimolecular devices are also provided. In addition, paired nucleotide-nonnucleotide mapping libraries for transposition of selected populations of selected nonoligonucleotide molecules into selected populations of replicatable nucleotide sequences are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 14 OF 21 USPATFULL

AN 2001:43927 USPATFULL

TI Multi-array, multi-specific electrochemiluminescence testing

IN Wohlstadter, Jacob N., Rockville, MD, United States

Wilbur, James, Rockville, MD, United States

Sigal, George, Gaithersburg, MD, United States

Martin, Mark, Rockville, MD, United States

Guo, Liang-Hong, Laurel, MD, United States

Fischer, Alan, Cambridge, MA, United States

Leland, Jon, Silver Spring, MD, United States

Billadeau, Mark A., Mt. Airy, MD, United States

PA Meso Scale Technologies, LLC, Gaithersburg, MD, United States (U.S. corporation)

PI US 6207369 B1 20010327

AI US 1996-715163 19960917 (8)

RLI Continuation-in-part of Ser. No. US 1996-611804, filed on 6 Mar 1996, now patented, Pat. No. US 6066448 Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995, now abandoned Continuation-in-part of Ser. No. US 1995-402277, filed on 10 Mar 1995, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Chin, Christopher L.

LREP Kramer Levin Naftalis & Frankel LLP

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN 87 Drawing Figure(s); 47 Drawing Page(s)

LN.CNT 6321

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array, multi-specific surfaces for use in diagnostics. The invention provides for electrochemiluminescence methods for detecting or measuring an analyte of interest. It also provides for novel electrodes for ECL assays. Materials and methods are provided for the chemical and/or physical control of conducting domains and reagent deposition for use multiply specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 15 OF 21 USPATFULL

AN 2001:14146 USPATFULL

TI Gel sensors and method of use thereof

IN Everhart, Dennis S., Alpharetta, GA, United States  
Kaylor, Rosann M., Cumming, GA, United States  
Jones, Mark L., Atlanta, GA, United States  
PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S.  
corporation)  
PI US 6180288 B1 20010130  
AI US 1997-821464 19970321 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Angebrannndt, Martin  
LREP Jones & Askew, LLP  
CLMN Number of Claims: 36  
ECL Exemplary Claim: 19  
DRWN 25 Drawing Figure(s); 19 Drawing Page(s)  
LN.CNT 1923

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention comprises an optically diffracting sensing device whose diffraction pattern changes upon exposure to some stimuli. The diffraction pattern may be two or three dimensional, and in one embodiment the change in diffraction patterns is recognizable to the untrained eye. The device comprises one or more gels coated onto patterned, self-assembling monolayers of alkanethiolates, carboxylic acids, hydroxamic acids, and phosphonic acids printed onto a variety of substrates, including glass, silicon, aluminum oxide, and thermoplastic films metallized with gold, or with an alloy such as nickel/gold. The present invention also comprises the method of making this device, and the use of this device.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 16 OF 21 USPATFULL  
AN 2000:146091 USPATFULL  
TI Multi-array, multi-specific electrochemiluminescence testing  
IN Wohlstadter, Jacob, Cambridge, MA, United States  
Wilbur, James, Rockville, MD, United States  
Sigal, George, Gaithersburg, MD, United States  
Martin, Mark, Rockville, MD, United States  
Guo, Liang-Hong, Laurel, MD, United States  
Fischer, Alan, Cambridge, MA, United States  
Leland, Jon, Silver Spring, MD, United States  
PA Meso Scale Technologies, Gaithersburg, MD, United States (U.S.  
corporation)  
PI US 6140045 20001031  
AI US 1997-814085 19970306 (8)  
RLI Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995,  
now abandoned which is a continuation of Ser. No. US 1995-402277, filed  
on 10 Mar 1995, now abandoned  
PRAI US 1996-12957P 19960306 (60)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Chin, Christopher L.  
LREP Whitman Breed Abbott & Morgan LLP  
CLMN Number of Claims: 45  
ECL Exemplary Claim: 1  
DRWN 62 Drawing Figure(s); 26 Drawing Page(s)  
LN.CNT 4524

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array, multi-specific surfaces which are electronically excited for use in electrochemiluminescence based tests. Materials and methods are provided for the chemical and/or physical control of conducting domains and reagent deposition for use in flat panel displays and multiply specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 17 OF 21 USPATFULL

AN 2000:91700 USPATFULL

TI Multi-array, multi-specific electrochemiluminescence testing

IN Wohlstadter, Jacob, Rockville, MD, United States

Wilbur, James, Rockville, MD, United States

Sigal, George, Gaithersburg, MD, United States

Martin, Mark, Rockville, MD, United States

Guo, Liang-Hong, Laurel, MD, United States

Fischer, Alan, Cambridge, MA, United States

Leland, Jon, Silver Spring, MD, United States

PA Meso Scale Technologies, LLC., Gaithersburg, MD, United States (U.S. corporation)

PI US 6090545 20000718

AI US 1997-814141 19970306 (8)

RLI Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995  
And a continuation-in-part of Ser. No. US 1995-402277, filed on 10 Mar 1995

PRAI US 1996-12958P 19960306 (60)

DT Utility

FS Granted

EXNAM Primary Examiner: Chin, Christopher L.

LREP Whitman Breed Abbott & Morgan LLP

CLMN Number of Claims: 80

ECL Exemplary Claim: 21

DRWN 60 Drawing Figure(s); 26 Drawing Page(s)

LN.CNT 4731

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array, multi-specific surfaces which are electronically excited for use in electrochemiluminescence based tests. Materials and methods are provided for the chemical and/or physical control of conducting domains and reagent deposition for use in flat panel displays and multiply specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 18 OF 21 USPATFULL

AN 2000:64674 USPATFULL

TI Multi-array, multi-specific electrochemiluminescence testing

IN Wohlstadter, Jacob N., Cambridge, MA, United States

Wilbur, James, Rockville, MD, United States

Sigal, George, Gaithersburg, MD, United States

Martin, Mark, Rockville, MD, United States

Guo, Liang-Hong, Laurel, MD, United States

Fischer, Alan, Cambridge, MA, United States

LeLeland, Jon, Silver Spring, MD, United States

PA Meso Sclae Technologies, LLC., Gaithersburg, MD, United States (U.S. corporation)

PI US 6066448 20000523

AI US 1996-611804 19960306 (8)

RLI Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995  
which is a continuation-in-part of Ser. No. US 1995-402277, filed on 10 Mar 1995

DT Utility

FS Granted

EXNAM Primary Examiner: Chin, Christian L.

LREP Whitman Breed Abbott & Morgan LLP

CLMN Number of Claims: 119

ECL Exemplary Claim: 1

DRWN 62 Drawing Figure(s); 26 Drawing Page(s)

LN.CNT 4770

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array, multi-specific surfaces which are electronically excited for use in electrochemiluminescence based tests. Materials and methods are provided for the chemical and/or physical control of conducting domains and reagent deposition for use in flat panel displays and multiply specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 19 OF 21 USPATFULL  
AN 92:78819 USPATFULL  
TI Methods of assay  
IN Forrest, Gordon C., Braemore, High Park Avenue, East Horsley, Surrey  
KT24 5DP, England  
Hill, Hugh A. O., 9 Clover Close, Oxford, England  
Rattle, Simon J., 29, Lower Street, Quainton, Buckinghamshire, HP22 4BL,  
England  
Robinson, Grenville A., 23 Burnham Way, Ealing, London W13 9YF, England  
PI US 5149630 19920922  
AI US 1988-157100 19880209 (7)  
RLI Continuation of Ser. No. US 1985-694923, filed on 25 Jan 1985, now  
abandoned  
PRAI GB 1984-2058 19840126  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Kepplinger, Esther L.; Assistant Examiner: Chin,  
Christopher L.  
LREP Ostrolenk, Faber, Gerb & Soffen  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN 14 Drawing Figure(s); 12 Drawing Page(s)  
LN.CNT 1231

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An electrochemical specific binding assay of a ligand (e.g., antigen, hapten or antibody) wherein at least one of the components is enzyme-labelled, and which includes the step of determining the extent to which the transfer of electrons between the enzyme substrate and an electrode, associated with the substrate reaction, is perturbed by complex formation or by displacement of any ligand complex relative to unbound enzyme-labelled component.

The electron transfer is aided by electron-transfer mediators which can accept electrons from the enzyme and donate them to the electrode or vice versa (e.g. ferrocene) or by electron-transfer **promoters** which retain the enzyme in close proximity with the electrode without themselves taking up a formal charge.

The electrochemical apparatus will typically comprise two or three electrodes, including one working electrode onto which components may advantageously be immobilized.

The use of direct electrochemical measurement of the enzyme label avoids the errors and inconvenience of the known indirect measurement techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 20 OF 21 USPATFULL  
AN 90:15662 USPATFULL  
TI Decolorization of glycosides  
IN McDaniel, Jr., Robert S., Decatur, IL, United States  
McCurry, Patrick M., Decatur, IL, United States  
Short, Rolland W. P., Decatur, IL, United States  
Glor, Paul R., Decatur, IL, United States

PA Henkel Kommanditgesellschaft auf Aktien, Duesseldorf, Germany, Federal  
Republic of (non-U.S. corporation)  
PI US 4904774 19900227  
AI US 1988-185016 19880422 (7)  
DCD 20050809  
RLI Continuation of Ser. No. US 1984-674109, filed on 21 Nov 1984, now  
patented, Pat. No. US 4762918  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Brown, Johnnie R.; Assistant Examiner: Peselev, Elli  
LREP Szoke, Ernest G., Jaeschke, Wayne C., Ortiz, Daniel S.  
CLMN Number of Claims: 12  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 465  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The catalytic hydrogenation of a glycoside composition to **reduce**  
the color of the composition is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 21 OF 21 USPATFULL  
AN 88:50385 USPATFULL  
TI Decolorization of glycosides  
IN McDaniel, Jr., Robert S., Decatur, IL, United States  
McCurry, Patrick M., Decatur, IL, United States  
Short, Rolland W. P., Decatur, IL, United States  
Glor, Paul R., Decatur, IL, United States  
PA Staley Continental, Inc., Rolling Meadows, IL, United States (U.S.  
corporation)  
PI US 4762918 19880809  
AI US 1984-674109 19841121 (6)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Griffin, Ronald W.; Assistant Examiner: Peselev, Elli  
LREP Campbell, Michael F., Collins, Forrest L., Bateman, Philip L.  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 502  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The catalytic hydrogenation of a glycoside composition to **reduce**  
the color of the composition is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> dis hist

(FILE 'HOME' ENTERED AT 16:26:32 ON 17 MAR 2003)

FILE 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUIRE, BABS, BIOCOMMERCE,  
BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN,  
COMPENDEX, CONFSCI, COPPERLIT, CORROSION, ENCOMPLIT, ENCOMPLIT2, FEDRIP,  
GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, ...' ENTERED AT 16:26:48 ON 17  
MAR 2003

L1 687202 S CARBOHYDRATE  
L2 132512 S L1 AND (OXID? OR REDUC? OR AMINAT?)  
L3 4167 S L2 AND AQUEOUS  
L4 420 S L3 AND CATALYS?  
L5 1 S L4 AND NANO  
L6 30 S L4 AND NANO?  
L7 23 S L6 AND (POLYMER OR POLYMER-STABILIZED)



FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,  
PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,  
USPAT2, WPINDEX, WTEXTILES' ENTERED AT 16:36:17 ON 17 MAR 2003

L8 1212 S L7  
L9 9703 S L4  
L10 1551 S L9 AND NANO?  
L11 1095943 S 10 AND (POLYMER OR POLYMER-STABILIZED)  
L12 2 S L10 AND (POLYMER(W)STABILIZ)  
L13 1212 S L10 AND (POLYMER OR POLYMER(W)STABLIL?)  
L14 398 S L13 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)  
L15 1212 S L10 AND (POLYMER OR POLYMER(W)STABIL?)  
L16 398 S L15 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)  
L17 301 S L16 AND SUPPORT  
L18 80 S L17 AND ALLOY  
L19 21 S L18 AND PROMOTER

=> s l4 and (fructose or sorbose or sucrose or isomalt?)

16 FILES SEARCHED...

L20 4834 L4 AND (FRUCTOSE OR SORBOSE OR SUCROSE OR ISOMALT?)

=> s l20 and nano?

L21 763 L20 AND NANO?

=> s l21 and (polymer or stabili? or polymer-stabili?)

13 FILES SEARCHED...

L22 716 L21 AND (POLYMER OR STABILI? OR POLYMER-STABILI?)

=> s l22 and (palladium or platinum or rhodium or ruthenium or cooper or nickel)

L23 300 L22 AND (PALLADIUM OR PLATINUM OR RHODIUM OR RUTHENIUM OR COOPER OR NICKEL)

=> s l23 and promoter

L24 138 L23 AND PROMOTER

=> s l24 and (aqueous or water)

18 FILES SEARCHED...

L25 138 L24 AND (AQUEOUS OR WATER)

=> s l25 and (support and material)

16 FILES SEARCHED...

L26 124 L25 AND (SUPPORT AND MATERIAL)

=> s l26 and membrane

L27 120 L26 AND MEMBRANE

=> s l27 and alloy

L28 10 L27 AND ALLOY

=> dis l28 1-10 bib abs

L28 ANSWER 1 OF 10 USPATFULL

AN 2002:290788 USPATFULL

TI Arrays of proteins and methods of use thereof

IN Wagner, Peter, Belmont, CA, United States

Ault-Riche, Dana, Palo Alto, CA, United States

Nock, Steffen, Redwood City, CA, United States

Itin, Christian, Menlo Park, CA, United States

PA Zyomyx, Incorporated, Hayward, CA, United States (U.S. corporation)

PI US 6475808 B1 20021105

AI US 1999-353215 19990714 (9)

RLI Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998

DT Utility

FS GRANTED

EXNAM Primary Examiner: Chin, Christopher L.

LREP Hager, Alicia J., Heinkel, Gregory L.  
CLMN Number of Claims: 3  
ECL Exemplary Claim: 1  
DRWN 9 Drawing Figure(s); 8 Drawing Page(s)  
LN.CNT 2339

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfilms on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 2 OF 10 USPATFULL

AN 2002:235434 USPATFULL

TI Biosensors, reagents and diagnostic applications of directed evolution

IN Minshull, Jeremy, Menlo Park, CA, UNITED STATES

Davis, S. Christopher, San Francisco, CA, UNITED STATES

Welch, Mark, Fremont, CA, UNITED STATES

Raillard, Sun Ai, Mountain View, CA, UNITED STATES

Vogel, Kurt, Palo Alto, CA, UNITED STATES

Krebber, Claus, Mountain View, CA, UNITED STATES

PA Maxygen, Inc., Redwood City, CA (U.S. corporation)

PI US 2002127623 A1 20020912

AI US 2001-920607 A1 20010731 (9)

PRAI US 2000-222056P 20000731 (60)

US 2000-244764P 20001031 (60)

DT Utility

FS APPLICATION

LREP LAW OFFICES OF JONATHAN ALAN QUINE, P O BOX 458, ALAMEDA, CA, 94501

CLMN Number of Claims: 130

ECL Exemplary Claim: 1

DRWN 7 Drawing Page(s)

LN.CNT 6877

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for sensing test stimuli using arrays of biopolymers are provided. Libraries of biopolymers, such nucleic acid variants, and expression products encoded by nucleic acid variants are provided. Reusable library arrays, and methods for their use are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 3 OF 10 USPATFULL

AN 2002:206239 USPATFULL

TI Arrays of proteins and methods of use thereof

IN Wagner, Peter, Belmont, CA, UNITED STATES

Ault-Riche, Dana, Palo Alto, CA, UNITED STATES

Nock, Steffen, Redwood City, CA, UNITED STATES

Itin, Christian, Menlo Park, CA, UNITED STATES

PI US 2002110933 A1 20020815

AI US 2002-113964 A1 20020329 (10)

RLI Continuation of Ser. No. US 1999-353215, filed on 14 Jul 1999, ABANDONED

Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998,

GRANTED, Pat. No. US 6406921

DT Utility

FS APPLICATION

LREP Zyomyx, 26101 Research Road, Hayward, CA, 94545

CLMN Number of Claims: 39

ECL Exemplary Claim: 1

DRWN 8 Drawing Page(s)

LN.CNT 2275

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfilms on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 4 OF 10 USPATFULL

AN 2002:85119 USPATFULL

TI Ion channel assay methods

IN Maher, Michael P., San Diego, CA, UNITED STATES

Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES

PI US 2002045159 A1 20020418

AI US 2001-804457 A1 20010312 (9)

PRAI US 2000-217671P 20000710 (60)

DT Utility

FS APPLICATION

LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

CLMN Number of Claims: 48

ECL Exemplary Claim: 1

DRWN 35 Drawing Page(s)

LN.CNT 4811

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 5 OF 10 USPATFULL

AN 2002:60923 USPATFULL

TI Single-molecule selection methods and compositions therefrom

IN Cubicciotti, Roger S., Montclair, NJ, UNITED STATES

PI US 2002034757 A1 20020321

AI US 2001-907385 A1 20010717 (9)

RLI Continuation of Ser. No. US 1998-81930, filed on 20 May 1998, GRANTED, Pat. No. US 6287765

DT Utility

FS APPLICATION

LREP LICATA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053

CLMN Number of Claims: 129

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 15716

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Single-molecule selection methods are provided for identifying target-binding molecules from diverse sequence and shape libraries. Complexes and imprints of selected target-binding molecules are also provided. The subject selection methods are used to identify oligonucleotide and nonnucleotide molecules with desirable properties for use in pharmaceuticals, drug discovery, drug delivery, diagnostics, medical devices, cosmetics, agriculture, environmental remediation, smart materials, packaging, microelectronics and nanofabrication. Single oligonucleotide molecules with desirable binding properties are selected from diverse sequence libraries and identified by amplification and sequencing. Alternatively, selected oligonucleotide molecules are identified by sequencing without

amplification. Nonnucleotide molecules with desirable properties are identified by single-molecule selection from libraries of conjugated molecules or nucleotide-encoded nonnucleotide molecules. Alternatively, target-specific nonnucleotide molecules are prepared by imprinting selected oligonucleotide molecules into nonnucleotide molecular media. Complexes and imprints of molecules identified by single-molecule selection are shown to have broad utility as drugs, prodrugs, drug delivery systems, willfully reversible cosmetics, diagnostic reagents, sensors, transducers, actuators, adhesives, adherents and novel multimolecular devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 6 OF 10 USPATFULL

AN 2002:48289 USPATFULL

TI High throughput method and system for screening candidate compounds for activity against target ion channels

IN Maher, Michael P., San Diego, CA, UNITED STATES

Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES

PI US 2002028480 A1 20020307

AI US 2001-804580 A1 20010312 (9)

PRAI US 2000-217671P 20000710 (60)

DT Utility

FS APPLICATION

LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

CLMN Number of Claims: 50

ECL Exemplary Claim: 1

DRWN 35 Drawing Page(s)

LN.CNT 4846

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Drug candidate screening methods are applied to discover compounds with activity against ion channel targets. The method may include modulating the transmembrane potential of host cells in a plurality of sample wells with a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 7 OF 10 USPATFULL

AN 2002:43207 USPATFULL

TI Multi-well plate and electrode assemblies for ion channel assays

IN Maher, Michael P., San Diego, CA, UNITED STATES

Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES

PI US 2002025573 A1 20020228

AI US 2001-804458 A1 20010312 (9)

PRAI US 2000-217671P 20000710 (60)

DT Utility

FS APPLICATION

LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN 35 Drawing Page(s)

LN.CNT 4720

AB Plate and electrode assemblies include configurations allowing for relatively uniform electric field production. The electrodes may comprise strips of conductive material plated onto the bottom surface of sample wells or they may comprise plate electrodes extending down into the well. In some embodiments, the electric field strength varies by less than about 10% from a mean field intensity over at least about 20% of the surface area of the bottom surface of a sample well.

L28 ANSWER 8 OF 10 USPATFULL

AN 2002:43202 USPATFULL

TI Ion channel assay methods

IN Maher, Michael P., San Diego, CA, UNITED STATES

Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES

PI US 2002025568 A1 20020228

AI US 2001-804480 A1 20010312 (9)

PRAI US 2000-217671P 20000710 (60)

DT Utility

FS APPLICATION

LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH  
FLOOR, NEWPORT BEACH, CA, 92660

CLMN Number of Claims: 8

ECL Exemplary Claim: 1

DRWN 35 Drawing Page(s)

LN.CNT 4691

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 9 OF 10 USPATFULL

AN 2001:235126 USPATFULL

TI Hydrogel compositions for controlled delivery of virus vectors and methods of use thereof

IN Levy, Robert J., Merion Station, PA, United States

Crombleholme, Timothy, Haverford, PA, United States

Vyavahare, Narendra, Erial, NJ, United States

PA The Children's Hospital of Philadelphia, Philadelphia, PA, United States  
(U.S. corporation)

PI US 6333194 B1 20011225

AI US 2000-487854 20000119 (9)

PRAI US 1999-116538P 19990119 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Wang, Andrew; Assistant Examiner: Zara, Jane

LREP Foley & Lardner

CLMN Number of Claims: 34

ECL Exemplary Claim: 1

DRWN 9 Drawing Figure(s); 3 Drawing Page(s)

LN.CNT 3154

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to compositions and methods for delivering a virus vector to an animal. The compositions include compositions which comprise a hydrogel matrix (e.g. a collagen matrix which can comprise a poloxamer or an alginate) containing a virus vector therein in a transfectious form. The invention also includes methods of making such hydrogel precursor mixtures and hydrogel matrices, including particles, devices, bulk materials, and other objects which comprise, consist of, or are coated with such mixtures or matrices. The invention further relates to compositions comprising a hydrogel precursor mixture having a virus vector suspended therein, which, when administered to an animal, gel to form a hydrogel matrix containing a virus vector therein in a transfectious form. Methods of delivering a virus vector to an animal tissue are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 10 OF 10 USPATFULL

AN 2001:152673 USPATFULL  
 TI Methods for detecting and identifying single molecules  
 IN Cubicciotti, Roger S., Montclair, NJ, United States  
 PA Molecular Machines, Inc., Montclair, NJ, United States (U.S.  
 corporation)  
 PI US 6287765 B1 20010911  
 AI US 1998-81930 19980520 (9)  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Fredman, Jeffrey  
 LREP Licata & Tyrrell P.C.  
 CLMN Number of Claims: 27  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN.CNT 15456

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multimeric devices and drug delivery systems prepared from synthetic  
 heteropolymers, heteropolymeric discrete structures, multivalent  
 heteropolymeric hybrid structures, aptameric multimolecular devices,  
 multivalent imprints, tethered specific recognition devices, paired  
 specific recognition devices, nonaptameric multimolecular devices and  
 immobilized multimolecular structures are provided, including molecular  
 adsorbents and multimolecular adherents, adhesives, transducers,  
 switches, sensors and delivery systems. Methods for selecting single  
 synthetic nucleotides, shape-specific probes and specifically attractive  
 surfaces for use in these multimolecular devices are also provided. In  
 addition, paired nucleotide-nonnucleotide mapping libraries for  
 transposition of selected populations of selected nonoligonucleotide  
 molecules into selected populations of replicatable nucleotide sequences  
 are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> dis hist

(FILE 'HOME' ENTERED AT 16:26:32 ON 17 MAR 2003)

FILE 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUIRE, BABS, BIOCOMMERCE,  
 BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN,  
 COMPENDEX, CONFSCI, COPPERLIT, CORROSION, ENCOMPLIT, ENCOMPLIT2, FEDRIP,  
 GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, ...' ENTERED AT 16:26:48 ON 17  
 MAR 2003

L1 687202 S CARBOHYDRATE  
 L2 132512 S L1 AND (OXID? OR REDUC? OR AMINAT?)  
 L3 4167 S L2 AND AQUEOUS  
 L4 420 S L3 AND CATALYS?  
 L5 1 S L4 AND NANO  
 L6 30 S L4 AND NANO?  
 L7 23 S L6 AND (POLYMER OR POLYMER-STABILIZED)

FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,  
 PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,  
 USPAT2, WPINDEX, WTEXTILES' ENTERED AT 16:36:17 ON 17 MAR 2003

L8 1212 S L7  
 L9 9703 S L4  
 L10 1551 S L9 AND NANO?  
 L11 1095943 S L10 AND (POLYMER OR POLYMER-STABILIZED)  
 L12 2 S L10 AND (POLYMER(W)STABILIZ)  
 L13 1212 S L10 AND (POLYMER OR POLYMER(W)STABILIL?)  
 L14 398 S L13 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)  
 L15 1212 S L10 AND (POLYMER OR POLYMER(W)STABIL?)  
 L16 398 S L15 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)  
 L17 301 S L16 AND SUPPORT

L18 80 S L17 AND ALLOY  
 L19 21 S L18 AND PROMOTER  
 L20 4834 S L4 AND (FRUCTOSE OR SORBOSE OR SUCROSE OR ISOMALT?)  
 L21 763 S L20 AND NANO?  
 L22 716 S L21 AND (POLYMER OR STABILI? OR POLYMER-STABILI?)  
 L23 300 S L22 AND (PALLADIUM OR PLATINUM OR RHODIUM OR RUTHENIUM OR CO  
 L24 138 S L23 AND PROMOTER  
 L25 138 S L24 AND (AQUEOUS OR WATER)  
 L26 124 S L25 AND (SUPPORT AND MATERIAL)  
 L27 120 S L26 AND MEMBRANE  
 L28 10 S L27 AND ALLOY

=> s 123 and colloid  
 L29 90 L23 AND COLLOID

=> s 129 and alloy  
 L30 22 L29 AND ALLOY

=> dis 130 1-30 bib abs

L30 ANSWER 1 OF 22 CEN COPYRIGHT 2003 ACS

AN 2000:591 CEN  
 TI Exposition  
 SO Chemical & Engineering News, (28 Feb 2000) Vol. 78, No. 9, pp. 175.  
 CODEN: CENEAR, ISSN: 0009-2347.  
 PB American Chemical Society  
 LA English  
 WC 24185

L30 ANSWER 2 OF 22 USPATFULL  
 AN 2002:174926 USPATFULL  
 TI Method of producing lithographic printing plate  
 IN Nakayama, Takao, Shizuoka, JAPAN  
 Hoshi, Satoshi, Shizuoka, JAPAN  
 Mori, Nobufumi, Kanagawa, JAPAN  
 Nakamura, Takashi, Kanagawa, JAPAN  
 PA Fuji Photo Film Co., Ltd., Minami-Ashigara, JAPAN (non-U.S. corporation)  
 PI US 6420091 B1 20020716  
 AI US 2000-679351 20001005 (9)  
 PRAI JP 1999-288171 19991008  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Baxter, Janet; Assistant Examiner: Gilmore, Barbara  
 LREP Burns, Doane, Swecker & Mathis, LLP  
 CLMN Number of Claims: 8  
 ECL Exemplary Claim: 1  
 DRWN 1 Drawing Figure(s); 1 Drawing Page(s)  
 LN.CNT 1984

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of producing a lithographic printing plate which comprises  
 subjecting a printing plate precursor comprising a support having a  
 metallic compound layer which has a photo-catalytic property and a  
 hydrophilic surface and bears light-heat convertible minute particles on  
 the surface thereof to imagewise irradiation of heat mode to convert  
 polarity of the metallic compound layer, thereby forming an imagewise  
 hydrophobic region. The lithographic printing plate can be repeatedly  
 employed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 3 OF 22 USPATFULL  
 AN 2002:90568 USPATFULL  
 TI Milled particles

IN Verhoff, Frank, Cincinnati, OH, UNITED STATES  
Pace, Gary W., Winchester, MA, UNITED STATES  
Snow, Robert A., West Chester, PA, UNITED STATES  
Millar, Fay, Ladson, SC, UNITED STATES  
PI US 2002047058 A1 20020425  
AI US 2001-940864 A1 20010829 (9)  
PRAI US 2000-229042P 20000831 (60)  
DT Utility  
FS APPLICATION  
LREP NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe Road, Arlington, VA,  
22201  
CLMN Number of Claims: 47  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 4197

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for milling a solid substrate in the milling chamber of a dispersion or media mill in the presence of a two or more compositions of milling media bodies is disclosed wherein all milling media bodies contribute to the grinding of the solid substrate and wherein at least one composition of media bodies provides fragments of milling media bodies that are retained with the milled solid substrate particles in the form of a synergetic commixture produced in the milling process. More specifically, a process is disclosed for preparing a synergetic commixture comprising small particles of a solid substrate and small particulates of a first material of a desired size comprising the steps of (a) providing to the milling chamber of a media mill a contents comprising a pre-mix of a solid substrate, a fluid carrier, a plurality of milling bodies of a first material having a fracture toughness  $K_{sub.C1}$ , and a plurality of milling bodies of a second material having a fracture toughness  $K_{sub.C2}$ ; (b) operating the media mill to grind the solid substrate and degrade at least a portion of the milling bodies of first material to produce a dispersion in the fluid carrier comprising a synergetic commixture of small particulates of the first material and small particles of the solid substrate having a desired size equal to or less than a size  $S_p$ ; (c) separating the dispersion from any milling bodies and solid substrate particles having a size larger than  $S_{sub.p}$ ; and (d) optionally removing the fluid carrier from the dispersion to form a synergetic commixture free of fluid and comprising the particles and the small particulates, wherein  $K_{sub.C2}$  is greater than  $K_{sub.C1}$ .

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 4 OF 22 USPATFULL  
AN 2002:60923 USPATFULL  
TI Single-molecule selection methods and compositions therefrom  
IN Cubicciotti, Roger S., Montclair, NJ, UNITED STATES  
PI US 2002034757 A1 20020321  
AI US 2001-907385 A1 20010717 (9)  
RLI Continuation of Ser. No. US 1998-81930, filed on 20 May 1998, GRANTED,  
Pat. No. US 6287765  
DT Utility  
FS APPLICATION  
LREP LICATA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053  
CLMN Number of Claims: 129  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 15716

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Single-molecule selection methods are provided for identifying target-binding molecules from diverse sequence and shape libraries. Complexes and imprints of selected target-binding molecules are also provided. The subject selection methods are used to identify oligonucleotide and nonnucleotide molecules with desirable properties



for use in pharmaceuticals, drug discovery, drug delivery, diagnostics, medical devices, cosmetics, agriculture, environmental remediation, smart materials, packaging, microelectronics and **nanofabrication**. Single oligonucleotide molecules with desirable binding properties are selected from diverse sequence libraries and identified by amplification and sequencing. Alternatively, selected oligonucleotide molecules are identified by sequencing without amplification. Nonnucleotide molecules with desirable properties are identified by single-molecule selection from libraries of conjugated molecules or nucleotide-encoded nonnucleotide molecules. Alternatively, target-specific nonnucleotide molecules are prepared by imprinting selected oligonucleotide molecules into nonnucleotide molecular media. Complexes and imprints of molecules identified by single-molecule selection are shown to have broad utility as drugs, prodrugs, drug delivery systems, willfully reversible cosmetics, diagnostic reagents, sensors, transducers, actuators, adhesives, adherents and novel multimolecular devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 5 OF 22 USPATFULL

AN 2001:176321 USPATFULL

TI HIGH ENERGY DENSITY VANADIUM ELECTROLYTE SOLUTIONS, METHODS OF PREPARATION THEREOF AND ALL-VANADIUM REDOX CELLS AND BATTERIES CONTAINING HIGH ENERGY VANADIUM ELECTROLYTE SOLUTIONS

IN KAZACOS, MICHAEL, SYLVANIA HEIGHTS, Australia  
KAZACOS, MARIA SKYLLAS, SYLVANIA HEIGHTS, Australia

PI US 2001028977 A1 20011011

US 6468688 B2 20021022

AI US 1998-945869 A1 19980224 (8)

WO 1996-AU268 19960503

None PCT 102(e) date

PRAI AU 1995-2747 19950503

AU 1995-4394 19950725

DT Utility

FS APPLICATION

LREP MORGAN & FINNEGAN, 345 PARK AVENUE, NEW YORK, NY, 10154

CLMN Number of Claims: 44

ECL Exemplary Claim: 1

DRWN 30 Drawing Page(s)

LN.CNT 9569

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a method for preparing a high energy density (HED) electrolyte solution for use in an all-vanadium redox cells, a high energy density electrolyte solution, in particular an all-vanadium high energy density electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the high energy density electrolyte solution, a redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the HED electrolyte, a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell. A method for **stabilising** an electrolyte solution for use in a redox cell, in particular for **stabilising** an electrolyte solution for use in an all-vanadium redox cell, a **stabilised** electrolyte solution, in particular an all-vanadium **stabilised** electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the **stabilised** electrolyte solution, a redox battery, in particular an all-vanadium redox battery comprising the **stabilised** electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the **stabilised** electrolyte solution, and a process

for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the **stabilised** electrolyte solution are disclosed. Also disclosed are a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 6 OF 22 USPATFULL  
AN 2001:152673 USPATFULL  
TI Methods for detecting and identifying single molecules  
IN Cubicciotti, Roger S., Montclair, NJ, United States  
PA Molecular Machines, Inc., Montclair, NJ, United States (U.S. corporation)  
PI US 6287765 B1 20010911  
AI US 1998-81930 19980520 (9)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Fredman, Jeffrey  
LREP Licata & Tyrrell P.C.  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 15456

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multimolecular devices and drug delivery systems prepared from synthetic heteropolymers, heteropolymeric discrete structures, multivalent heteropolymeric hybrid structures, aptameric multimolecular devices, multivalent imprints, tethered specific recognition devices, paired specific recognition devices, nonaptameric multimolecular devices and immobilized multimolecular structures are provided, including molecular adsorbents and multimolecular adherents, adhesives, transducers, switches, sensors and delivery systems. Methods for selecting single synthetic nucleotides, shape-specific probes and specifically attractive surfaces for use in these multimolecular devices are also provided. In addition, paired nucleotide-nonnucleotide mapping libraries for transposition of selected populations of selected nonoligonucleotide molecules into selected populations of replicatable nucleotide sequences are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 7 OF 22 USPATFULL  
AN 1999:113664 USPATFULL  
TI Methods and kits for the amplification of thin film based assays  
IN Maul, Diana M., Thornton, CO, United States  
Bogart, Gregory R., Fort Collins, CO, United States  
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)  
PI US 5955377 19990921  
AI US 1995-403565 19950417 (8)  
RLI Continuation of Ser. No. US 1993-75693, filed on 10 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-923090, filed on 31 Jul 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-653052, filed on 11 Feb 1991  
PRAI EP 1991-308968 19911001  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Chin, Christopher L.  
LREP Lyon & Lyon LLP  
CLMN Number of Claims: 26  
ECL Exemplary Claim: 1  
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 5421

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for detecting an analyte of interest, comprising the steps of providing a detection device comprising a light reflective or transmissive substrate supporting one or more layers comprising an adhering attachment layer to which is affixed a receptive material which specifically interacts with the analyte of interest; reacting the device with a sample potentially comprising the analyte under conditions in which the analyte binds to the receptive material; and reacting bound analyte with a reagent which creates a mass change on the surface of the device.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 8 OF 22 USPATFULL

AN 1999:18941 USPATFULL

TI Methods for detection of gram negative bacteria

IN Bogart, Gregory R., Berthoud, CO, United States

Moddel, Garret R., Boulder, CO, United States

Maul, Diana M., Thornton, CO, United States

Etter, Jeffrey B., Boulder, CO, United States

Crosby, Mark, Niwot, CO, United States

PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)

PI US 5869272 19990209

AI US 1995-455652 19950531 (8)

RLI Division of Ser. No. US 1993-75952, filed on 10 Jun 1993, now patented, Pat. No. US 5541057 which is a continuation-in-part of Ser. No. US 1992-924343, filed on 31 Jul 1992, now abandoned Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Chin, Christopher L.

LREP Lyon & Lyon LLP

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN 62 Drawing Figure(s); 23 Drawing Page(s)

LN.CNT 5224

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for the determination of chlamydial or gram negative bacterial antigen comprising contacting a sample potentially containing extracted antigen with an optically active surface comprising an attachment layer, and a layer of non-specific protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 9 OF 22 USPATFULL

AN 1998:72421 USPATFULL

TI Method of separation employing magnetic particles and second medium

IN Vorpahl, John, Livermore, CA, United States

PA Dade Behring Marburg GmbH, Deerfield, IL, United States (U.S. corporation)

PI US 5770388 19980623

AI US 1993-168263 19931213 (8)

DCD 20110118

RLI Continuation of Ser. No. US 1989-455550, filed on 22 Dec 1989, now patented, Pat. No. US 5279936

DT Utility

FS Granted

EXNAM Primary Examiner: Wolski, Susan

LREP Jordan, Leland K, Rosenstock, Jerome, Leitereg, Theodore J.

CLMN Number of Claims: 19

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1449

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods are disclosed for separating a component of interest from a mixture containing the component of interest and other components. The method comprises contacting a first liquid medium containing the component of interest and other components with a second liquid medium that is of different density than and/or of different viscosity than the first liquid medium. The contact is carried out in such a way that mixing of the media is minimized or avoided. The component of interest is bound to magnetic particles. The contacted first liquid medium and second liquid medium are subjected to a magnetic field gradient to allow the magnetic particles to migrate into the second liquid medium and separation of the component of interest from other components is realized. Also disclosed are assays employing the present method. Kits for carrying out the present method and assays are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 10 OF 22 USPATFULL

AN 97:51921 USPATFULL

TI Methods for optimizing of an optical assay device

IN Bogart, Gregory R., Fort Collins, CO, United States

Etter, Jeffrey B., Boulder, CO, United States

PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)

PI US 5639671 19970617

AI US 1995-412600 19950328 (8)

RLI Continuation of Ser. No. US 1993-76319, filed on 10 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-923048, filed on 31 Jul 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Chin, Christopher L.

LREP Lyon & Lyon

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN 62 Drawing Figure(s); 23 Drawing Page(s)

LN.CNT 5193

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for optimizing an optical assay device for an analyte, including the steps of: providing a substrate having a chosen thickness of an optically active layer thereon; providing an attachment layer of a chosen thickness on the optical coating; providing a receptive layer of a chosen thickness for the analyte, wherein at least one of the thicknesses of the optically active layer, attachment layer and receptive layer is varied to provide a plurality of thicknesses of that layer; contacting analyte with the receptive layer under conditions in which an increase in mass on the receptive layer results; and determining the optical thickness of the layer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 11 OF 22 USPATFULL

AN 97:42799 USPATFULL

TI Method and instrument for detection of change of thickness or refractive index for a thin film substrate

IN Sandstrom, Torbjorn, Molnlycke, Sweden

Stiblert, Lars, G oteborg, Sweden

Maul, Diana M., Thornton, CO, United States

PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)

PI US 5631171 19970520

AI US 1995-455493 19950531 (8)

RLI Continuation of Ser. No. US 1993-75128, filed on 10 Jun 1993, now

patented, Pat. No. US 5494829 which is a continuation-in-part of Ser.  
No. US 1992-923268, filed on 31 Jul 1992, now abandoned

DT Utility  
FS Granted  
EXNAM Primary Examiner: Chin, Christopher L.  
LREP Lyon & Lyon  
CLMN Number of Claims: 14  
ECL Exemplary Claim: 1  
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 5160

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An instrument configured and arranged to detect a change in thickness or  
refractive index of a thin film substrate. A method for optimizing the  
instrument and a method for detecting a change in thickness or  
refractive index of a thin film substrate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 12 OF 22 USPATFULL

AN 97:40693 USPATFULL  
TI Methods for forming an optical device for detecting the presence or  
amount of an analyte  
IN Crosby, Mark, Niwot, CO, United States  
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)  
PI US 5629214 19970513  
AI US 1995-456040 19950531 (8)  
RLI Division of Ser. No. US 1993-75952, filed on 10 Jun 1993, now patented,  
Pat. No. US 5541057 which is a continuation-in-part of Ser. No. US  
1992-924343, filed on 31 Jul 1992, now abandoned which is a  
continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992,  
now abandoned which is a continuation-in-part of Ser. No. US  
1989-408291, filed on 18 Sep 1989, now abandoned

DT Utility  
FS Granted  
EXNAM Primary Examiner: Chin, Christopher L.  
LREP Lyon & Lyon  
CLMN Number of Claims: 30  
ECL Exemplary Claim: 1  
DRWN 63 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 5272

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for forming an optical device for detecting the presence or  
amount of an analyte of interest comprising a substrate which supports  
an optically active layer, an attachment layer provided on the optically  
active layer, and a receptive layer specific the analyte provided on the  
attachment layer. The method comprises forming the optically active  
layer with a chosen refractive index on the substrate by curing the  
optically active layer on the substrate at a controlled temperature or  
for a controlled length of time and subsequently providing the  
attachment and receptive layers on the optically active layer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 13 OF 22 USPATFULL

AN 96:80141 USPATFULL  
TI Detection of an analyte by fluorescence using a thin film optical device  
IN Bogart, Gregory R., Berthoud, CO, United States  
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)  
PI US 5552272 19960903  
AI US 1993-76348 19930610 (8)  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chin, Christopher  
L.

LREP Lyon & Lyon  
CLMN Number of Claims: 27  
ECL Exemplary Claim: 1  
DRWN 29 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 5378

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Device for detecting the presence or amount of an analyte of interest, comprising a reflective solid, optical support and a label capable of generating fluorescent signal upon excitation with a suitable light source wherein said support comprises an attachment layer comprising a chemical selected from the group consisting of dendrimers, star **polymers**, molecular self-assembling **polymers**, polymeric siloxanes, and film forming latexes wherein the support provides an enhanced level of exciting photons to the immobilized fluorescent label compound, and wherein the support also increases the capture of fluorescent signal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 14 OF 22 USPATFULL

AN 96:77716 USPATFULL  
TI Methods for production of an optical assay device  
IN Bogart, Gregory R., Berthoud, CO, United States  
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)  
PI US 5550063 19960827  
AI US 1993-76347 19930610 (8)  
RLI Continuation-in-part of Ser. No. US 1992-923270, filed on 31 Jul 1992, now abandoned And a continuation-in-part of Ser. No. US 1991-653064, filed on 11 Feb 1991, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chi, Christopher L.  
LREP Lyon & Lyon  
CLMN Number of Claims: 14  
ECL Exemplary Claim: 1  
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 5184

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for producing an optical assay device having a substrate and one or more optical layers, an attachment layer and a receptive layer, including the step of spin coating an anti-reflective layer or an attachment layer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 15 OF 22 USPATFULL

AN 96:67879 USPATFULL  
TI Methods for detection of an analyte  
IN Bogart, Gregory R., Berthoud, CO, United States  
Moddel, Garret R., Boulder, CO, United States  
Maul, Diana M., Thornton, CO, United States  
Etter, Jeffrey B., Boulder, CO, United States  
Crosby, Mark, Niwot, CO, United States  
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)  
PI US 5541057 19960730  
AI US 1993-75952 19930610 (8)  
RLI Continuation-in-part of Ser. No. US 1992-924343, filed on 31 Jul 1992, now abandoned And a continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Jones, W. Gary; Assistant Examiner: Sisson, Bradley L.

LREP Lyon & Lyon  
CLMN Number of Claims: 30  
ECL Exemplary Claim: 1  
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 5337

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for detecting the presence or amount of an analyte of interest in a sample by providing a substrate having an optically active surface exhibiting a first color in response to light impinging thereon, and exhibiting a second color comprising a combination of wavelengths of light different from the first color or comprising an intensity of at least one wavelength of light different from the first color, in response to the light when the analyte is present on the surface in an amount selected from any one of 0.1 nM, 0.1 ng/ml, 50 fg, 2.times.10.sup.3 organisms comprising the analyte; and contacting the optically active surface with a sample potentially comprising the analyte of interest under conditions in which the analyte can interact with the optically active surface to cause the optically active surface to exhibit the second color when the analyte is present.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 16 OF 22 USPATFULL

AN 96:16908 USPATFULL

TI Devices and methods for detection of an analyte based upon light interference

IN Sandstrom, Torbjorn, Molnlycke, Sweden  
Stibler, Lars, Gothengurg, Sweden  
Maul, Diana M., Thornton, CO, United States

PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)

PI US 5494829 19960227

AI US 1993-75128 19930610 (8)

RLI Continuation-in-part of Ser. No. US 1992-923268, filed on 31 Jul 1992, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Scheiner, Toni R.; Assistant Examiner: Chin, Christopher L.

LREP Lyon & Lyon

CLMN Number of Claims: 14

ECL Exemplary Claim: 1

DRWN 62 Drawing Figure(s); 23 Drawing Page(s)

LN.CNT 5185

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Instrument configured and arranged to detect the presence or amount of an analyte of interest on the substrate of an optical device. The instrument has a source of linearly polarized, monochromatic light positioned at an angle other than Brewster's angle relative to the substrate; and an analyzer positioned at the same angle relative to the substrate at a location suitable for detecting reflected polarized light from the substrate; wherein the analyzer is configured and arranged to approximately maximize the change in intensity of the light reflected from the substrate that is transmitted through the analyzer when a change in mass occurs at the substrate relative to an unreacted surface.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 17 OF 22 USPATFULL

AN 96:3626 USPATFULL

TI Devices and methods for detection of an analyte based upon light interference

IN Bogart, Gregory R., Berthoud, CO, United States  
Moddel, Garret R., Boulder, CO, United States  
Maul, Diana M., Thornton, CO, United States

Etter, Jeffrey B., Boulder, CO, United States  
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)  
PI US 5482830 19960109  
AI US 1993-76320 19930610 (8)  
DCD 20121125  
RLI Continuation-in-part of Ser. No. US 1992-923304, filed on 31 Jul 1992, now abandoned And a continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned And a continuation-in-part of Ser. No. US 1991-653064, filed on 11 Feb 1991, now abandoned And a continuation-in-part of Ser. No. US 1991-653052, filed on 11 Feb 1991, now abandoned And a continuation-in-part of Ser. No. US 1988-260317, filed on 20 Oct 1988, now abandoned And a continuation-in-part of Ser. No. US 1992-917121, filed on 31 Jul 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408296, filed on 18 Sep 1989, now abandoned, said Ser. No. US -873097 which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned, said Ser. No. US -260317 which is a continuation-in-part of Ser. No. US 1986-832682, filed on 25 Feb 1986, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chin, Christopher L.  
LREP Lyon & Lyon  
CLMN Number of Claims: 24  
ECL Exemplary Claim: 1  
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)  
LN.CNT 5305  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Device for detecting the presence or amount of an analyte of interest, having a substrate possessing an optically active surface which exhibits a first color in response to light impinging thereon, and exhibits a second color comprising a combination of wavelengths of light different from the first color or comprising an intensity of at least one wavelength of light different from the first color, in response to the light when the analyte is present on the surface of any amount selected from 0.1 nM, 0.1 ng/ml, 50 fg, and 2.times.10.sup.3 organisms comprising the analyte.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 18 OF 22 USPATFULL  
AN 95:103369 USPATFULL  
TI Devices for detection of an analyte based upon light interference  
IN Bogart, Gregory R., Fort Collins, CO, United States  
Moddel, Garret R., Boulder, CO, United States  
Maul, Diana M., Thornton, CO, United States  
Etter, Jeffrey B., Boulder, CO, United States  
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)  
PI US 5468606 19951121  
AI US 1992-923304 19920731 (7)  
RLI Continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned Ser. No. Ser. No. US 1991-653064, filed on 11 Feb 1991, now abandoned And Ser. No. US 1992-917121, filed on 29 Sep 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408296, filed on 18 Sep 1989, now abandoned, said Ser. No. US -873097 which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chin, Christopher L.  
LREP Lyon & Lyon  
CLMN Number of Claims: 47



ECL Exemplary Claim: 1  
DRWN 59 Drawing Figure(s); 21 Drawing Page(s)  
LN.CNT 4482

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Device for detecting the presence or amount of an analyte of interest, having a substrate possessing an optically active surface which exhibits a first color in response to light impinging thereon, and exhibits a second color comprising a combination of wavelengths of light different from the first color or comprising an intensity of at least one wavelength of light different from the first color, in response to the light when the analyte is present on the surface in any amount selected from 0.1 nM, 0.1 ng/ml, 50 fg, and 2.times.10.sup.3 organisms comprising the analyte.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 19 OF 22 USPATFULL

AN 95:94697 USPATFULL

TI Biochemically active agents for chemical **catalysis** and cell receptor activation

IN Kossovsky, Nir, Los Angeles, CA, United States  
Sponsler, Edward, Burbank, CA, United States  
Gelman, Andrew, Los Angeles, CA, United States  
Rajguru, Samir, Los Angeles, CA, United States

PA The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

PI US 5460830 19951024

AI US 1993-145870 19931101 (8)

DCD 20100112

RLI Continuation-in-part of Ser. No. US 1993-199, filed on 4 Jan 1993, now patented, Pat. No. US 5334394 which is a continuation-in-part of Ser. No. US 1991-690601, filed on 24 Apr 1991, now patented, Pat. No. US 5178882 which is a continuation-in-part of Ser. No. US 1990-542255, filed on 22 Jun 1990, now patented, Pat. No. US 5219577

DT Utility

FS Granted

EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Spear, James M.

LREP Poms, Smith, Lande & Rose

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1399

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A biologically active composition made up of core particles or surfaces which are coated with a layer which is designed to allow attachment of biochemically reactive pairs (BRP's) without denaturing the BRP to the microparticles. BRP's which may be attached include ligand-receptor pairs, enzyme-substrate pairs, drug-receptor pairs, **catalyst**-reactant pairs, toxin-ligand pairs, absorbant-absorbate pairs and adsorbant-adsorbate pairs.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 20 OF 22 USPATFULL

AN 95:45508 USPATFULL

TI Devices for detection of an analyte based upon light interference

IN Miller, B. John, Boulder, CO, United States  
Maul, Diana M., Thornton, CO, United States  
Blessing, James, Boulder, CO, United States  
Crosby, Mark, Niwot, CO, United States  
Kelley, Howard, Boulder, CO, United States

PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)

PI US 5418136 19950523

AI US 1993-76719 19930610 (8)

RLI Continuation-in-part of Ser. No. US 1992-923332, filed on 31 Jul 1992,  
now abandoned  
PRAI EP 1991-308968 19911001  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Scheiner, Toni R.; Assistant Examiner: Chin,  
Christopher L.  
LREP Lyon & Lyon  
CLMN Number of Claims: 39  
ECL Exemplary Claim: 1  
DRWN 29 Drawing Figure(s); 22 Drawing Page(s)  
LN.CNT 5297

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Optical assay device having an active receptive surface supported on a  
pedestal and held within a first container; the first container  
comprising first absorbent material located at the base of the pedestal,  
configured and arranged to absorb liquid draining from the surface, and  
having a second container, hingedly connected to one side of the first  
container, the second container comprising a second absorbent material,  
wherein the second container can be closed to the first container by  
rotation about the hinge, and wherein such closing causes the second  
absorbent material to contact the surface.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 21 OF 22 USPATFULL  
AN 94:5790 USPATFULL  
TI Method of separation employing magnetic particles and second medium  
IN Vorpahl, John, Livermore, CA, United States  
PA Syntex (U.S.A.) Inc., Palo Alto, CA, United States (U.S. corporation)  
PI US 5279936 19940118  
AI US 1989-455550 19891222 (7)  
DCD 20070619  
DT Utility  
FS Granted  
EXNAM Primary Examiner: Nucker, Christine M.; Assistant Examiner: Preston, D.  
R.  
LREP Leitereg, Theodore J., Bosse, Mark L.  
CLMN Number of Claims: 80  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 1535

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods are disclosed for separating a component of interest from a  
mixture containing the component of interest and other components. The  
method comprises contacting a first liquid medium containing the  
component of interest and other components with a second liquid medium  
that is of different density than and/or of different viscosity than the  
first liquid medium. The contact is carried out in such a way that  
mixing of the media is minimized or avoided. The component of interest  
is bound to magnetic particles. The contacted first liquid medium and  
second liquid medium are subjected to a magnetic field gradient to allow  
the magnetic particles to migrate into the second liquid medium and  
separation of the component of interest from other components is  
realized. Also disclosed are assays employing the present method. Kits  
for carrying out the present method and assays are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 22 OF 22 USPAT2  
AN 2001:176321 USPAT2  
TI High energy density vanadium electrolyte solutions, methods of  
preparation thereof and all-vanadium redox cells and batteries  
containing high energy vanadium electrolyte solutions

IN Kazacos, Michael, Sylvania Heights, AUSTRALIA  
 Kazacos, Maria Skyllas, Sylvania Heights, AUSTRALIA  
 PA Pinnacle VRB Limited, Armadale, AUSTRALIA (non-U.S. corporation)  
 PI US 6468688 B2 20021022  
 WO 9635239 19961107  
 AI US 1998-945869 19980224 (8)  
 WO 1996-AU268 19960503  
 19980224 PCT 371 date  
 PRAI AU 1995-2747 19950503  
 AU 1995-4394 19950725  
 DT Utility  
 FS GRANTED  
 EXNAM Primary Examiner: Weiner, Laura  
 LREP Morgan & Finnegan, LLP  
 CLMN Number of Claims: 27  
 ECL Exemplary Claim: 1  
 DRWN 32 Drawing Figure(s); 30 Drawing Page(s)  
 LN.CNT 11699

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a method for preparing a high energy density (HED) electrolyte solution for use in an all-vanadium redox cells, a high energy density electrolyte solution, in particular an all-vanadium high energy density electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the high energy density electrolyte solution, a redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the HED electrolyte, a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell. A method for **stabilising** an electrolyte solution for use in a redox cell, in particular for **stabilising** an electrolyte solution for use in an all-vanadium redox cell, a **stabilised** electrolyte solution, in particular an all-vanadium **stabilised** electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the **stabilised** electrolyte solution, a redox battery, in particular an all-vanadium redox battery comprising the **stabilised** electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the **stabilised** electrolyte solution, and a process for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the **stabilised** electrolyte solution are disclosed. Also disclosed are a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

L Number	Hits	Search Text	DB	Time stamp
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4	3061	(polysaccharide and (oxidise or oxidize or oxidation)) and catalyst	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:31
5	563	((polysaccharide and (oxidise or oxidize or oxidation)) and catalyst) and nano\$	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:32
6	539	((((polysaccharide and (oxidise or oxidize or oxidation)) and catalyst) and nano\$) and (polymer or stabilized)	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:33
7	81	(((((polysaccharide and (oxidise or oxidize or oxidation)) and catalyst) and nano\$) and (polymer or stabilized)) and alloy	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:33